|   |   |  |   |  |  | <u> </u>   |
|---|---|--|---|--|--|--|
| COMBINED DECLARA (Includes Reference to F   |   |  | R OF ATTORNEY   |  | File No.   | '98-6 <del>0C</del> 1  |
| As a below named inven  |   |  |   |  |  |  |
| My residence, post office<br>first and sole inventor (if<br>below) of the subject ma  | e address and cit<br>only one name is   | izenship are as s<br>s listed below) or  | an original, first and joir   | nt inventor  | (if pturalmanes  | are listed   |
| GROWTH FACTOR HO  | MOLOG ZVEGF   | 3  |   |  | on entitled:   |  |
| the specification of which  | n (check only one   | e item below):   |   | PA   |  |  |
| ☐ is attached hereto  | ☑ was filed as l  | Jnited States app  | olication Serial No. 09/5   | 541,752 oı   | Market 200   | 0  |
| and was amended on  |   |  | _   |  |  |  |
| was filed as PCT in   | ternational applic  | cation Number _  | on  |  | <del></del>  |  |
| I hereby state that I hat claims, as amended by material to the examinat claim foreign priority be inventor's certificate(s) of States of America listed certificate(s) or any PC America filed by me on claimed: | any amendmen ion of this applic enefits under Titer of any PCT interested below and har international a | t referred to abo<br>ation in accordar<br>ile 35, United S<br>ernational applicave also identific<br>pplication(s) des | ove. I acknowledge the<br>nee with Title 37, Code<br>tates Code, 119 of ar<br>ation(s) designating at I<br>ed below any foreign<br>ignating at least one co | e duty to do f Federal hy foreign east one capplication ountry other | lisclose informations, 1. Regulations, 1. application(s) fountry other that (s) for patent (er than the Unit | tion which is 56. I hereby or patent or in the United or inventor's ed States of |
| PRIOR FOREIGN/PC  | [ APPLICATION   | (S) AND ANY PE   | RIORITY CLAIMS UNDE   | R 35 U.S.  | C. 119:  |  |
| COUNTRY   | APPLIC  | ATION NUMBER   | DATE OF FILING  |  | PRIORITY CL  | AIMED  |
| 00011111  | Al I LIO  | ATTOM NOTWINDE   | BATE OF TIERRO  |  | ☐ YES  | □ NO   |
|   |   |  |   |  |  |  |
|   |   |  |   |  | ☐ YES  | <u> </u>   |
|   |   |  |   | <u>i</u> _   | ☐ YES  | □ NO   |
| I hereby claim the benef below.   |   |  |   |  |  | tion(s) listed   |
| U.S. APPL   | LICATION NUME   | BER  |   | U.S. FILIN   | IG DATE  |  |
| 60/142,576  |   |  | July 6, 1999  |  |  |  |
| 60/161,653  |   |  | October 21, 199   | 99   |  |  |
| 60/165,255  |   |  | November 12, 1  |  |  |  |
| 60/111,173  |   |  | December 7, 19  |  | * ***  |  |
| I hereby claim the ber international application( matter of each of the claby the first paragraph of defined in Title 37, Code and the national or PCT  | s) designating the aims of this applifum 5 Title 35, United to federal Reg                              | ne United States<br>cation is not disc<br>States Code, 11<br>ulations, 1.56 wh   | tes Code 120 of any of America that is/are I closed in that/those prio 12, I acknowledge the chich occurred between t                                       | United Stisted below rapplication                                    | v and, insofar as<br>on(s) in the man<br>slose material in   | the subject<br>ner provided<br>formation as                                      |
| PRIOR U.S. APPLICATI  | ONS OR PCT IN   | TERNATIONAL  | APPLICATIONS DESIG  | NATING T   | THE U.S. FOR E   | BENEFIT  |
|   | U.S. APPLI  |  |   |  | (check one)  |  |
| U.S. APPLICATION  |   |  | ILING DATE  | Patented   | Pending  | Abandoned  |
| 09/457,066  |   | December 3   |   |  | X  |  |
| 007,707,000   |   | December   | , 1333  | <del> </del>   | <del>  ^                                   </del>  | -  |
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| PCT APPLICATIONS DE   |   |  |   | ļ  |  | ļ  |
| APPLICATION   | FILING DA   |  | SERIAL NUMBERS GNED (if any)  |  |  |  |

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Robyn Adams Reg. No. 44,495 Jennifer K. Johnson Reg. No. 43,696 Phillip B.C. Jones Reg. No. 38,195

Debra K. Leith Reg. No. 32,619

Susan E. Lingenfelter Reg. No. 41,156 Paul G. Lunn Reg. No. 32,743

Gary E. Parker Reg. No. 31,648 Deborah A. Sawislak Reg. No. 37,438

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1201 Eastlake Avenue East

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|   |                        | 1201 Eastlake A   |                                 | (206) 442-6673                          |
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| 2 | Full Name              | Family Name<br>Hart                                     | First Given Name<br>Charles     | Second Given Name<br>E.                 |
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| 3 | Full Name              | Family Name<br>Piddington                               | First Given Name<br>Christopher | Second Given Name<br>S.                 |
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| 5 | Full Name              | Family Name<br>Shoemaker                                | First Given Name<br>Kimberly    | Second Given Name<br>E.                 |
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|   | Post Office<br>Address | Post Office Address<br>4634 Somerset Ave SE             | City<br>Bellevue                | State & Zip Code/Country<br>WA 98006/US |
| 6 | Full Name              | Family Name<br>Gilbertson                               | First Given Name<br>Debra       | Second Given Name<br>G.                 |
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|   | Post Office<br>Address | Post Office Address<br>4025 NE 195th PL                 | City<br>Seattle                 | State & Zip Code/Country<br>WA 98155/US |

I hereby declare that all statement made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application any patent issuing thereon.

| Signature of Inventor 1  | Signature of Inventor 2 | Signature of Inventor 3 |
|--------------------------|-------------------------|-------------------------|
| Date 9-18-20-            | Date 9-19-00            | Date                    |
| Signature of Inventor 4. | _Signature of Inventors | Signature of Inventor 6 |
| Date 9-19-2000           | Date 9-19-00            | Date 9.19-00            |



POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Jennifer K. Johnson Robyn Adams Phillip B.C. Jones Debra K. Leith Reg. No. 44,495 Reg. No. 43,696 Reg. No. 38,195 Reg. No. 32,619 Susan E. Lingenfelter Paul G. Lunn Gary E. Parker Deborah A. Sawislak Reg. No. 31,648 Reg. No. 41,156 Reg. No. 32,743 Reg. No. 37,438 **Send Correspondence To:** Gary E. Parker Direct Telephone Calls To: ZymoGenetics, Inc. Gary E. Parker 1201 Eastlake Avenue East (206) 442-6673 Seattle, WA 98102 Full Name Family Name First Given Name Second Given Name Gao Zeren Residence City State or Foreign Country Country of Citizenship Redmond WA Post Office Address State & Zip Code/Country Post Office City Address 9502 179th PL NE #3 Redmond WA 98052/US 2 Full Name Family Name First Given Name Second Given Name Hart Charles Residence City State or Foreign Country Country of Citizenship Woodinville WA Post Office Address Post Office City State & Zip Code/Country Address 20114 183rd Place NE Woodinville WA 98072/US Full Name First Given Name 3 Family Name Second Given Name Piddington Christopher Residence City State or Foreign Country Country of Citizenship **Thousand Oaks** Post Office Post Office Address City State & Zip Code/Country 2838 Irongate Place Thousand Oaks Address CA 91362/US 4 Full Name Family Name First Given Name Second Given Name Sheppard Paul Residence City State or Foreign Country Country of Citizenship Granite Falls WA Post Office Address 13532 278<sup>th</sup> Drive NE Post Office State & Zip Code/Country Address Granite Falls WA 98252/US 5 Full Name Family Name First Given Name Second Given Name Shoemaker Kimberly Residence City State or Foreign Country Country of Citizenship Bellevue WA Post Office Post Office Address City State & Zip Code/Country Address 4634 Somerset Ave SE Bellevue WA 98006/US 6 Full Name Family Name First Given Name Second Given Name Gilbertson Residence State or Foreign Country City Country of Citizenship Seattle WA US Post Office Post Office Address City State & Zip Code/Country 4025 NE 195th PL Seattle Address WA 98155/US I hereby declare that all statement made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application any patent issuing thereon. Signature of Inventor 1 Signature of Inventor 2 Signature lnver Date Date Signature of Inventor 4 Signature of Inventor 5 Signature of Inventor 6 Date Date Date

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| (includes Reference to F   |  |  |   | OF ATTORNEY  |  | File  | No. 98-60C1   |
|--|--|--|---|--|--|---|---|
| As a below named inven<br>My residence, post office<br>first and sole inventor (if<br>below) of the subject ma   | e address and ci<br>only one name  | itizenship a<br>is listed be   | low) or ar  | n original, first and i  | oint inventor  | (if plural nar  | nes are listed  |
| GROWTH FACTOR HO   | MOLOG ZVEGI  | F3   |   |  |  |   | SCIES .   |
| the specification of which   | n (check only on   | e item beld  | ow):  |  |  | רכו 😞 מכדו  | 1 0 2000  |
| ☐ is attached hereto   | ☑ was filed as   | United Sta   | tes applic  | ation Serial No. 0   | 9/541,752 o  | n Marckes   | 2000 ARTS   |
| and was amended on   |  |  |   |  |  |   | 10,000  |
| $\square$ was filed as PCT in  | ternational appl   | ication Nur  | mber  | o  | n  |   |   |
| I hereby state that I hat claims, as amended by material to the examinat claim foreign priority be inventor's certificate(s) of States of America listed certificate(s) or any PCT America filed by me on claimed: | any amendmention of this applicenties under Tour of any PCT in discussion and he international attentional attenti | nt referred<br>cation in ac<br>itle 35, Ur<br>ternational<br>ave also<br>application(<br>ct matter h | to above ccordance nited Stat application identified (s) design a final representation of the cordance of the | e. I acknowledge to with Title 37, Cod tes Code, 119 of on(s) designating a below any foreignating at least one ling date before the | the duty to only  If of Federal  If any foreign  If least one on  If application  If applicati | disclose informations application (country other in for pate er than the blication (s) of | rmation which is<br>s, 1.56. I hereby<br>s) for patent or<br>than the United<br>ent or inventor's<br>United States of |
| PRIOR FOREIGN/PCT  |  |  |   |  |  |   |   |
| COUNTRY  | APPLIC   | ATION NU   | JMBER   | DATE OF FILIN  | IG   |   | Y CLAIMED   |
|  |  |  |   |  |  | _ ∐ YES   | □ NO  |
|  |  |  |   |  |  | ☐ YES   | UNO   |
| I hereby claim the benefi<br>below.  |  |  | ates Code   | 119(e) of any Unit   | ed States pr   | Ovisional app   | Dlication(s) listed   |
|  | ICATION NUM  | BER  |   |  | U.S. FILIN   | IG DATE   |   |
| 60/142,576   |  |  |   | July 6, 1999   |  |   |   |
| 60/161,653   |  |  |   | October 21, 1999   |  |   |   |
| 60/165,255   |  |  |   | November 12, 1999 December 7, 1998   |  |   |   |
| 60/111,173   |  | <u> </u>   |   | December 7,  | 1998   |   |   |
| I hereby claim the ber<br>international application(<br>matter of each of the cla<br>by the first paragraph of<br>defined in Title 37, Code<br>and the national or PCT   | s) designating t<br>tims of this appl<br>Title 35, United<br>of Federal Reg  | he United i<br>lication is r<br>d States Co<br>gulations, 1  | States of<br>not disclos<br>ode, 112,<br>1.56 which   | America that is/are<br>sed in that/those pr<br>I acknowledge the<br>n occurred between   | e listed below<br>rior application<br>of duty to disc  | w and, insofa<br>on(s) in the r<br>close materia  | ar as the subject<br>nanner provided<br>al information as   |
| PRIOR U.S. APPLICATION   | ONS OR PCT IN  | NTERNATI   | ONAL AF   | PLICATIONS DES   | SIGNATING  | THE U.S. FC   | R BENEFIT   |
|  | U.S. APPL  |  |   |  |  | (check one  |   |
| U.S. APPLICATION   | NUMBER   |  | U.S. FIL  | ING DATE   | Patented   | Pending   | Abandoned   |
| 09/457,066   |  | Dece   | ember 7,  | 1999   |  | X   |   |
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| PCT APPLICATIONS DE  |  |  |   | <u> </u>   |  |   |   |
| APPLICATION  | FILING D   | AIE  |   | RIAL NUMBERS IED (if any)  |  |   |   |
|  |  |  |   |  |  |   |   |

|                            | Robyn Adams<br>Reg. No. 44,495                    |  | lennifer K. Johnson<br>Reg. No. 43,696                                    | Phillip B.C. Jones<br>Reg. No. 38,195                              | Debra K. Leith<br>Reg. No. 32,619  |  |
|----------------------------|---|--|---|--|--|--|
| Susan E. Lingenfelter Paul |   | Paul G. Lunn<br>Reg. No. 32,743            | Gary E. Parker<br>Reg. No. 31,648   | Deborah A. Sawislak<br>Reg. No. 37,438                             |  |  |
| Sen                        | d Corresponden                                    | Zy:<br>12:                                 | ry E. Parker<br>moGenetics, Inc.<br>01 Eastlake Avenue<br>attle, WA 98102 | East   | Direct Telephone Calls To:<br>Gary E. Parker<br>(206) 442-6673   |  |
| 7                          | Full Name Family Name West                        |  | F   | First Given Name   | Second Given Name<br>W.  |  |
|                            | Residence   | City<br>Seattle                            | S   | State or Foreign Country   | Country of Citizenship   |  |
|                            | Post Office<br>Address                            | Post Office Ad<br>7539 19 <sup>th</sup> NE | dress   | VA<br>City<br>Seattle  | US State & Zip Code/Country WA 98115/US  |  |
| В                          | Full Name   | Family Name                                |   | irst Given Name  | Second Given Name  |  |
|                            | Residence   | City                                       | S   | State or Foreign Country   | Country of Citizenship   |  |
|                            | Post Office<br>Address                            | Post Office Ad                             | dress   | Dity   | State & Zip Code/Country   |  |
| 9                          | Full Name   | Family Name                                |   | irst Given Name  | Second Given Name  |  |
|                            | Residence   | City                                       | 5   | State or Foreign Country   | Country of Citizenship   |  |
|                            | Post Office<br>Address                            | Post Office Ad                             | dress   | Dity   | State & Zip Code/Country   |  |
| 0                          | Full Name   | Family Name                                |   | First Given Name   | Second Given Name  |  |
|                            | Residence   | City                                       |   | State or Foreign Country   | Country of Citizenship   |  |
|                            | Post Office<br>Address                            | Post Office Address                        |   | Dity   | State & Zip Code/Country   |  |
| 1                          | Full Name   | Family Name                                |   | irst Given Name  | Second Given Name  |  |
|                            | Residence   | City                                       |   | State or Foreign Country   | Country of Citizenship   |  |
|                            | Post Office<br>Address                            | Post Office Address                        |   | Dity   | State & Zip Code/Country   |  |
| 2                          | Full Name   | Family Name                                |   | irst Given Name  | Second Given Name  |  |
|                            | Residence   | City                                       | s   | State or Foreign Country   | Country of Citizenship   |  |
|                            | Post Office Post Office Address Address           |  | dress   | Dity   | State & Zip Code/Country   |  |
| tru<br>pri:                | eby declare that all statue; and further that the | se statements we<br>er section 1001 o      | ere made with the knowled<br>f Title 18 of the United Sta                 | dge that willful false statements ates Code, and that such willful | made on information and belief are believed<br>and the like so made are punishable by fine of<br>false statements may jeopardize the validity of |  |
| Signature of Inventor 7    |   | Signature of I                             | nventor 8   | Signature of Inventor 9  |  |  |
| Date                       |   | Date                                       |   | Date   |  |  |
| Si                         | gnature of Invento                                | r 10                                       | Signature of I  | nventor 11   | Signature of Inventor 12   |  |
| Date                       |   | Date                                       |   | Date   |  |  |



POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Robyn Adams Jennifer K. Johnson Phillip B.C. Jones Debra K. Leith Reg. No. 44,495 Reg. No. 43,696 Reg. No. 38,195 Reg. No. 32,619 Susan E. Lingenfelter Paul G. Lunn Gary E. Parker Deborah A. Sawislak Reg. No. 41,156 Reg. No. 32,743 Reg. No. 31,648 Reg. No. 37,438 Send Correspondence To: Gary E. Parker **Direct Telephone Calls To:** ZymoGenetics, Inc. Gary E. Parker 1201 Eastlake Avenue East (206) 442-6673 Seattle, WA 98102 Full Name First Given Name Second Given Name Family Name West Residence State or Foreign Country City Country of Citizenship Seattle WA Post Office Address Post Office City State & Zip Code/Country 7539 19<sup>th</sup> NE Seattle WA 98115/US Address 8 Full Name Family Name First Given Name Second Given Name Residence City State or Foreign Country Country of Citizenship Post Office Post Office Address State & Zip Code/Country Address 9 Full Name Family Name First Given Name Second Given Name Residence City State or Foreign Country Country of Citizenship Post Office Post Office Address City State & Zip Code/Country Address 10 Full Name Family Name First Given Name Second Given Name Residence City State or Foreign Country Country of Citizenship Post Office Post Office Address City State & Zip Code/Country Address 11 Full Name Family Name First Given Name Second Given Name Residence City State or Foreign Country Country of Citizenship Post Office Post Office Address City State & Zip Code/Country Address 12 Full Name Family Name First Given Name Second Given Name Residence State or Foreign Country City Country of Citizenship Post Office Post Office Address State & Zip Code/Country City Address I hereby declare that all statement made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application any patent issuing thereon. Signature of Inventor 7 Signature of Inventor 8 Signature of Inventor 9 Date Date Signature of Inventor 10 Signature of Inventor 11 Signature of Inventor 12 Date Date Date